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	no persona are required	Application Number	09/846,634
TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Filing Date	May 1, 2003
		First Named Inventor	lck-Dong Yoo
		Art Unit	1651
to be added to an opportunition and	a and a mangy	Examiner Name	Vera Afremova
Total Number of Pages in This Submis	slon 6	Attorney Docket Numb	oer 01728/100F088-US2
El	NCLOSURES	(Check all that app	oly)
X Fee Transmittal Form	Drawing(s)		After Allowance Communication
X Fee Attached	Licensing-rei	ohad Banam	LI to Group Appeal Communication to Board of
	Licensing	ated Papers	Appeals and Interferences
Amendment/Reply	Petition		Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
After Final	Petition to Co	polication	Proprietary Information
Affidavits/declaration(s)	Power of Attor	mey, Revocation	Status Letter
Extension of Time Request	Terminal Disc		Other Enclosure(s) (please
Express Abandonment Request	Request for I	Refund	LIdentify below):
X Information Disclosure Statement	CD, Number	of CD(s)	
Certified Copy of Priority			
Document(s) Response to Missing Parts/	Remarks		· · · · · · · · · · · · · · · · · · ·
Incomplete Application		•	
Response to Missing Parts under 37 CFR 1,52 or 1,53			
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Approved for use through 7/31/2008. OMB 0851 1032

Approved for use through 7/31/2006. OMB 0851-1432
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1996, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Complete if Known FEE TRANSMITTAL Application Number 09/846.634 May 1, 2003 Filing Date for FY 2004 First Named Inventor ick-Dong You Effective 10/01/2003, Patent fees are subject to annual revision. Examiner Name Vera Afremova Applicant claims small entity status. See 37 CFR 1.27 1651 Art Unit 01728/100F088-US2 TOTAL AMOUNT OF PAYMENT 180.00 Attorney Docket No. METHOD OF PAYMENT (check all that apply) FEE CALCULATION (continued) Check 3. ADDITIONAL FEES X Nons Deposit Account Large Entity Small Entity 04-0100 (\$) Fee Description Numbe (\$) Code Fee Pald Deposit 1051 130 2051 65 Surcharge - iale filing fee or oath Darby & Darby P.C. count Name Surcharge - tate provisional filing fee or cover 1052 50 2052 25 The Director is authorized to: (check all that apply) X Credit any overpaym 1053 130 1053 130 Non-English specification 1812 2,520 1812 2,520 For filling a request for ex parte reaxamination Charge any edditional fee(e) or any underpayment of fee(a) Requesting publication of SIR prior to 1804 9201 1804 Charge fee(s) Indicated below, except for the filing fee to the above-identified deposit account. Requesting publication of SIR after 1805 1.840 1805 FEE CALCULATION 1251 110 2251 Extension for raply within first month 1. BASIC FILING FEE 1252 2252 420 210 Extension for reply within second month Large Entity Şmali Entity 1253 850 2253 475 Edension for reply within third month Fee Description Fee Pald 1254 1,480 2254 740 Extension for reply within fourth month Code (5) (3) 1001 770 2001 285 Utility fiting fee 1255 2.010 2255 1,005 Extension for reply within 18th month 1002 2002 340 170 Design filing ree 1401 330 2401 165 Notice of Appeal 1003 530 2003 265 Plent filing fee 1402 330 2402 165 Filing a brief in support of an appeal 1004 770 2004 385 Reiseue filing fee 403 2403 145 Request for oral hearing 1005 160 2005 80 Provisional filling tee 1451 1,510 1451 1,510 Petition to Institute a public use proceeding 1452 110 2452 55 Petition to revive - unavoidable SUBTOTAL (1) (\$) 1453 1,330 2453 665 Pelition to revive - unintentional 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE 1501 1,330 2501 665 Utility Issue fee (or relasue) Fee from below 1502 480 2502 240 Design Issue (ee 1503 840 2503 320 Plant issue fee ndapendeni 1460 130 1460 130 Petitions to the Commissioner **Ctalms** Multiple Dependent 1807 50 1807 50 Processing fee under 37 CFR 1,17(q) Entity 1606 160 1806 180 Submission of Information Disclosure Strat Large Entity Small 180.00 Fee Recording each petent assignment per Fee Description 8021 40 8021 (#) (4) property (times number of properties) 1202 18 2202 Claims in excess of 20 Filing a submission after final rejection 770 1809 2809 386 (37 CFR 1.129(a)) 1201 88 2201 43 Independent claims in excess of 3 For each additional invention to be 770 2810 1203 290 2203 145 Multiple dependent claim, if not paid examined (37¢FR 1,129(b)) 1204 2204 - Relasue independent claims 1801 770 2801 Request for Continued Examination (RCE) over original patent Request for expedited exemination 900 1602 1802 900 1205 18 ** Reissue olaims in excess of 20 of a dealgn application and over original patent Other fee (specify) SUBTOTAL (2) (5) Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 180.00 **or number previously paid, if greater, For Reissues, see above SUBMITTED BY (Complete (If applicable)) Registration No. S. Peter Łudwig Name (Print/Type) Telephone (212) 527-7770 (Afformey/Agent) Signatura Data January 20, 2004 Express Mail Label No. Dated:

Express Mail Label No. Dated: _____

Docket No.: 01728/100F088-US2
(PATENT)

Customer No.: 07278

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Ick-Dong Yoo et al.

Application No.: 09/846,634

Confirmation No.: 5673

Filed: May 1, 2003

Art Unit: 1651

For: NOV

NOVEL IMMUNO-STIMULATING

Examiner: Vera Fremova

POLYSACCHARIDE SUBSTANCE FROM

Phellinus spp. STRAIN AND USE THEREOF

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. 1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

- 1. This IDS should be considered, in accordance with 37 C.F.R. 1.97, as it is filed; (Check one of the boxes A-D)
- []A. Within three months of the filing date of the above-identified national application or within three months of the entry into the national stage of the above-identified international application.
- B. before the mailing date of a first office action on the merits, or a first office action after filing a request for continued examination.
- [X] C. after (A) and (B) above, but before the mailing date of a final rejection, a notice of allowance, or any other action that closes prosecution, and Applicants have made the necessary statement in box "i" below or paid the necessary fee in box "ii" below.

COPY

(check one of the boxes "i" and "ii" below:)

- [] i. Counsel states that, upon information and belief, each item of information listed herein was either (a) cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS; or (b) was not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of undersigned after making reasonable inquiry, was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS.
- [X] ii. A check for the fee set forth in 1. 17(p), presently believed to be \$180, is enclosed.
- [] D. after (A), (B) and (C) above, but before payment of the issue fee: Counsel states that, upon information and belief, each item of information listed herein was either (i) cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the IDS; or (ii) was not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the undersigned after making reasonable inquiry, was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS.
 - [] i. A check for the fee set forth in 1.17 (p), presently believed to be \$180, is enclosed.
- 2. In accordance with 37 C.F.R. 1.98, this IDS includes a list (e.g., form PTO/SB/08) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. A copy of each document listed is attached, except as explained below.

(check boxes A, B and/or C and fill in blanks, if appropriate.)

- [] A. Pursuant to the Notice issued by the United States Patent and Trademark Office dated July 11, 2003 waiving the requirements of 37 C.F.R. § 1.98(a)(2)(i), a copy/copies of the United States Patent on PTO/SB08 is/are not being submitted.
- [] B. Document(s) _____ is (are) deemed substantially cumulative to document(s) _____, and, in accordance with 1.98(c), only a copy of each of the latter documents is enclosed.
- [] C. Certain documents were previously cited by or submitted to the Office in the following prior applications, which are relied upon under 35 U.S.C. 120:



[SERIAL NO. & FILING DATE].

Applicant Identifies these documents by attaching hereto copies of the forms PTO-892 and PTO/SB08 from the files of the prior application(s) or a fresh PTO/SB/08 listing these documents, and request that they be considered and made of record in accordance with 1.98(d). Per 37 CFR 1.98(d), copies of these documents need not be filed in this application.

Per 37 CFR 1.98(d),	copies of these documents need not be filed in this application.
[X] 3. Docur	ment <u>JP 10-088188</u> is not in the English language. In accordance with 1.98(c),
Applicant states:	
D	An English translation of each document (or of the pertinent portions thereof), or a copy of each corresponding English-language patent or application is enclosed.
[]	A concise explanation of the relevance of document(s) is found
[X]	in the attached search report (see MPEP § 609 A(3)x). A concise explanation of the relevance of document JP 10-088188 is set
	forth as follows: The Japanese-language document identified in PTO/SB08 contains an English Abstract. It is believed that the "concise explanation" requirement of 37 C.F.R. 1.98 has therefore been met.
[]	A concise explanation of the relevance of document(s) can be
Ĺ	found on page(s) of the specification. A concise explanation of document(s) can be found on the attached sheet.
[X] 4. No ex	planation of relevance is necessary for documents in the English language
(see MPEP § 609 A(
	formation being provided for the examiner's consideration follows: [A/An
<u></u>	Search Report, dated, which issued during the prosecution of
App	lication No which corresponds to the present application.]
6. In accorda	nice with 37 C.F.R. 1.97(g) and (h), the filing of this IDS should not be
construed as a repre	sentation that a search has been made or that information cited is, or is
	aterial to patentability as defined in §1.56 (b), or that any cited document
	or constitutes) prior art. Unless other-wise indicated, the date of publication
	is taken from the face of the item and Applicant reserves the right to prove
	cation is in fact different.
	RENCE UNDER 37 C.F.R. \$1.78 TO RELATED APPLICATIONS
	••

Pursuant to 37 C.F.R. § 1.78, Applicant notes that the above-identified patent application may be related to the following U.S. Patent Applications:

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(1) U.S. Patent Application Serial No.	o, filed	
Early and favorable consideration is	carnestly solicited.	
Early and favorable consideration is	carnestly solicited.	

Respectfully submitted,

Dated: January 19, 2004

Registration No. 25,351 Attorney for Applicant(s)

DARBY & DARBY P.C. 805 Third Avenue New York, N.Y. 10022 (212) 527-7700

PTO/SB/08a/b (08-03)
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Substitute for form 1449A/B/PTO		Complete If Known			
				Application Number	09/846,634-Conf. #5673
١N	IFORMATIO	N DI	SCLOSURE	Filing Date	May 1, 2003
STATEMENT BY APPLICANT			APPLICANT	First Named Inventor	lck-Dong Yoo
_				Art Unii	1651
(Use as many she ets as necessary)		Examiner Name	Vera Afremova		
Sheet	1	of	1	Attorney Docket Number	01728/100F088-US2

	U.S. PATENT DOCUMENTS					
Examiner Cite Initials* No.*	C#0	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where	
		Number-Kind Code ² (if Imown)			Relevant Peasages or Relevant Figures Appear	
	1.	4145415	03-20-1979	Sato		
	2.	4051314	09-27-1977	Ohtsuka		

	FOREIGN PATENT DOCUMENTS						
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,		
insiste"	No.	Country Code ³ -Number ⁴ -Kind Code ⁶ (# known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	7.0	
	3	JP 10-088188	28-09-1999	Nakajima Yutaka			

"EXAMINEA: Intial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at wmmpEP 801.04. Enter Office that Issued the document, by the two-letter code (WIPO Standard 97.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard 97.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Çite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-Issue number(s), publisher, city and/or country where published.	T²
	i		† <u> </u>

*EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English tanguage Translation is attached.